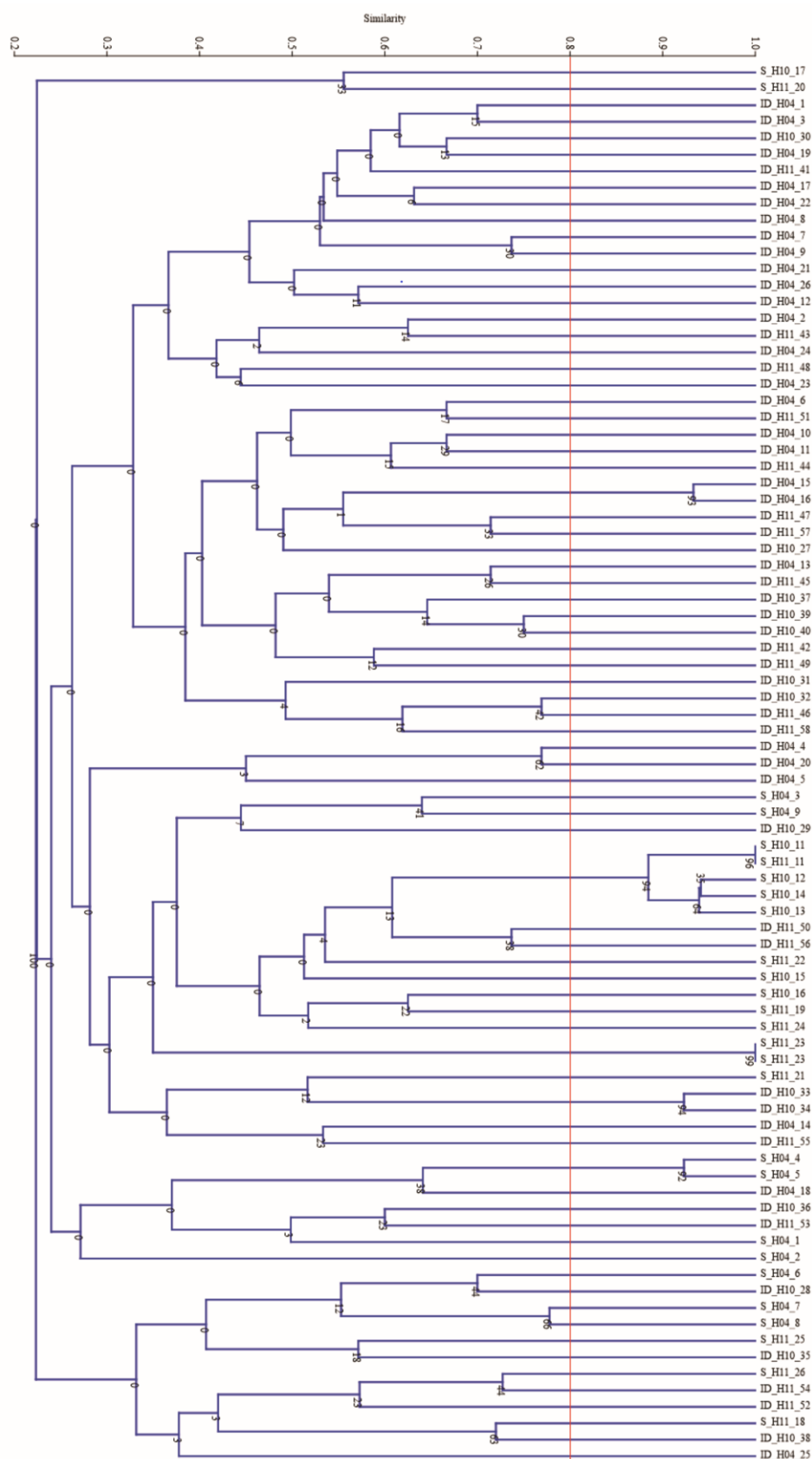**Table S1:** Nei's genetic identity matrix of the six *S. cerevisiae* grape fermentative-associated populations of the ZARM region.

	ID_H04	ID_H10	ID_H11	S_H04	S_H10	S_H11
ID_H04	********	0.9746	0.9677	0.9397	0.7611	0.9532
ID_H10	0.0257	********	0.9820	0.9451	0.7576	0.9694
ID_H11	0.0328	0.0181	********	0.9428	0.7484	0.9719
S_H04	0.0622	0.0565	0.0589	********	0.7386	0.9414
S_H10	0.2729	0.2776	0.2898	0.3030	********	0.7990
S_H11	0.0479	0.0311	0.0285	0.0603	0.2244	********

Nei's genetic identity (above diagonal) and genetic distance (below diagonal) according to Nei (1972)

Figure S1: Dendrogram showing molecular relationships for 84 Interdelta-PCR patterns obtained during three harvests in two Cv. Malbec vineyards of the ZARM region. Numbers at each branch represent bootstrap values (over 100 bootstrap replicates). Cophenetic Correlation Coefficient (CP): 0.612. Patterns identification code corresponds to vineyard: ID: EEA Mendoza INTA Vineyard; S: Winery Vineyard; and vintage: H04: Harvest 2004; H10: Harvest 2010; H11: Harvest 2011.